Water Utilities Department /Environmental Division Pretreatment Requirements for Commercial Users of the POTW



Article 1 of Chapter 27 of the Tempe City Code sets forth requirements for users of the Publicly Owned Treatment Works (POTW) for the city (hereinafter referred to as "the city") and enables the city to comply with all applicable state and federal laws, including the Clean Water Act (33 United States Code § 1251 et seq.) and the General Pretreatment Regulations (40 Code of Federal Regulations Part 403).

To protect the POTW the Water Utilities Department administers a pretreatment program. Tempe City Code and the policies of the Water Utilities Department prohibit all users from discharging wastewater containing pollutants into, and/or that will interfere with the operation and efficient functioning of, the POTW.

All non-domestic users of the POTW engaged in the preparation of any type of food, drink, maintenance/repair of motorized vehicles, wet manufacturing process which generates settable solids, etc., shall install and maintain, at their expense, pretreatment devices designed to prevent the pass through of pollutants and/or the introduction of wastewater of the quality which may cause interference and/or cause nuisances. These requirements apply to all new installations and to facilities which do not meet the current standards. Except for domestic sources, users shall not convert solid waste into liquefied waste and introduce such waste into the POTW by means of a garbage grinder/disposal.

<u>Installation of Grease Traps</u>

Interior grease traps shall be allowed only when minimal fixtures are being used for food preparation. In all cases the minimum size trap shall be rated at 50-gallon-per-minute flow with a 100-pound grease capacity (50/100). A flow restriction valve shall be installed per manufacturer's specifications. Traps may be installed above ground or below floor grade. If installed below finish floor grade, the valve shall be installed so it is accessible for service, is properly vented, and remains in place at all times.

Installation of Grease Interceptors

Facilities shall be required to install a grease interceptor when a grease trap is not sufficient to pre-treat wastewater being discharged from the preparation of food and/or drinks. Any facility that installs an *automatic dishwasher* shall install a grease interceptor. The minimum size interceptor acceptable shall be rated at 500 gallons. The sizing of the grease interceptor shall be completed using a fixture unit count method. The city does not use the UPC to size interceptors. The formula used is as follows: total fixture unit value x 3 gpm x 12 (retention time) = size (next nominal size); i.e., 23 x 3 = 69 x 12 = 828. A 1050-gallon interceptor would be required.

Written approval from the Water Utilities Department for the installation of any type of pretreatment device shall be obtained prior to installation. To obtain approval, a permit must be obtained from the Development Services Department. The Plan Check Engineer assigned to review your plans will obtain written approval from Environmental staff. Upon final installation of the device, the Environmental Division is required to inspect the device separate from the plumbing to and from such device. Call (480) 350-2678 to schedule an on-site inspection after the plumbing has been inspected.

For more information please call the Environmental Division at (480) 350-2678, or visit the Environmental internet site at http://www.tempe.gov/env/docs/COT_FOG_Policy.pdf Environmental staff will also assist in the determination of need, type, as well as size of the pretreatment device required for your facility.